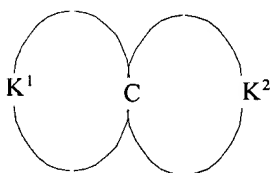


**AMENDMENTS TO THE CLAIMS**

1-20. (cancelled)

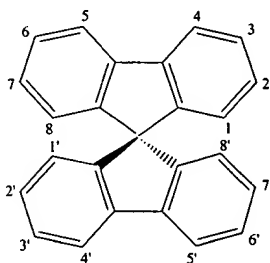
21. (Currently amended) A laser comprising: **in order,**  
 a substrate, ~~a bottom electrode layer~~  
~~a light source operably coupled to~~ an organic **layer structure comprising an** solid laser  
~~dye and capable of producing stimulated emission of the organic solid laser dye, the~~  
 organic solid laser dye comprising a spiro compound of formula (I)



(I)

where K<sup>1</sup> and K<sup>2</sup> are, independently of one another, conjugated systems ~~top electrode layer and a laser cavity.~~

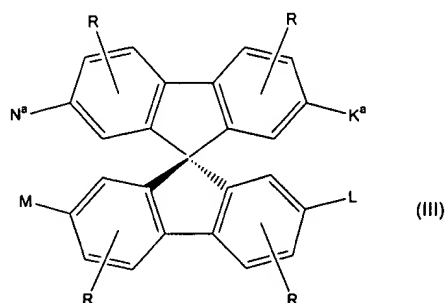
22. (previously presented) The laser of claim 21, wherein said spiro compound is a spirobifluorene of formula (II)



(II)

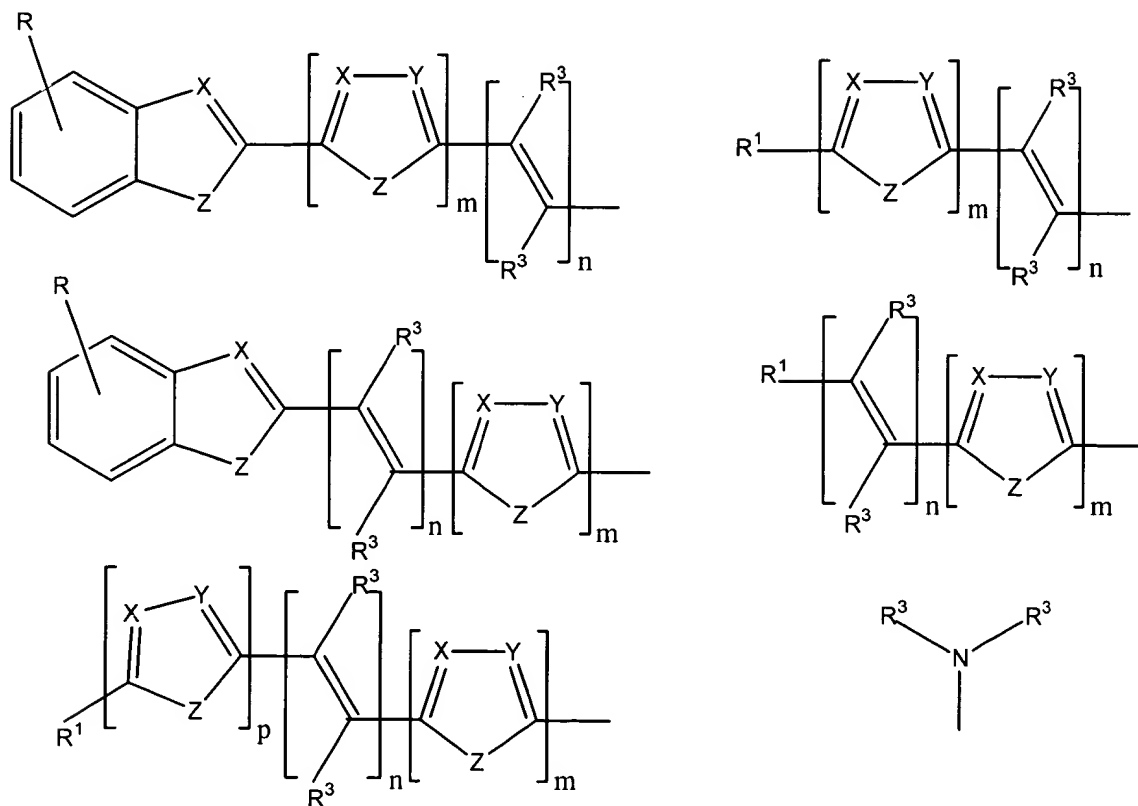
where the benzo groups can be substituted and/or fused independently of one another.

23. (previously presented) The laser of claim 21, wherein said spiro compound is a spirobifluorene derivative of formula (III)



wherein:

$K^a, L, M, N^a$  are identical or different and are



R is identical or different and has the same meaning as K<sup>a</sup>, L, M, N<sup>a</sup> or is H, a linear or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms, -CN, -NO<sub>2</sub>,

$-\text{NR}^2\text{R}^3$ ,  $-\text{Ar}$  or  $-\text{O}-\text{Ar}$ ;

$\text{Ar}$  is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally substituted with one or two radicals  $\text{R}$ ;

$m, n, p$  are 0, 1, 2 or 3;

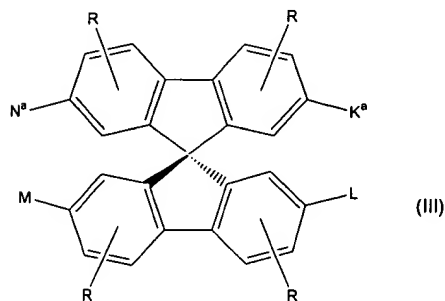
$\text{X}, \text{Y}$  are identical or different and are  $\text{CR}$  or nitrogen;

$\text{Z}$  is  $-\text{O}-$ ,  $-\text{S}-$ ,  $-\text{NR}^1-$ ,  $-\text{CR}^1\text{R}^4-$ ,  $-\text{CH}=\text{CH}-$ , or  $-\text{CH}=\text{N}-$ ;

$\text{R}^1, \text{R}^4$  are identical or different and have the same meaning as  $\text{R}$ ; and

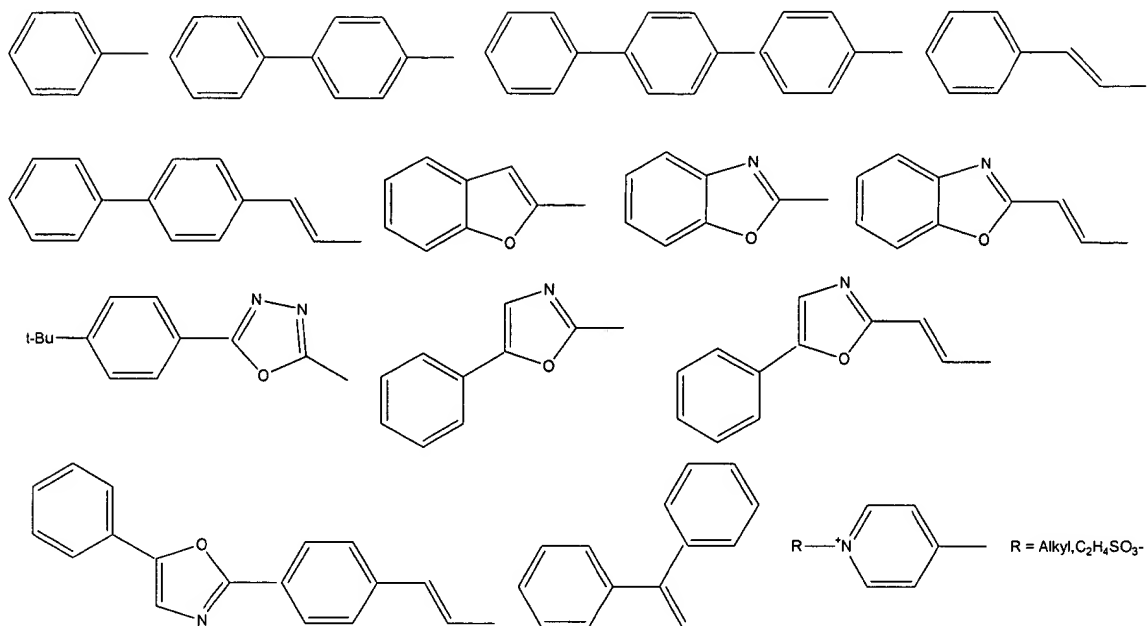
$\text{R}^2, \text{R}^3$  are identical or different and are  $\text{H}$ , a linear or branched alkyl group having from 1 to 22 carbon atoms,  $-\text{Ar}$ , or 3-methylphenyl.

24. (previously presented) The laser of claim 21, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:



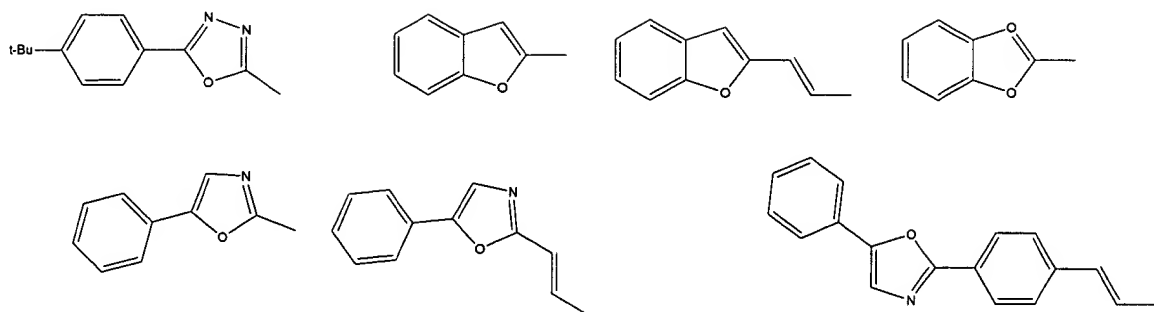
and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

IIIa)  $\text{K}^a = \text{L} = \text{M} = \text{N}^a$  and is selected from the group consisting of:

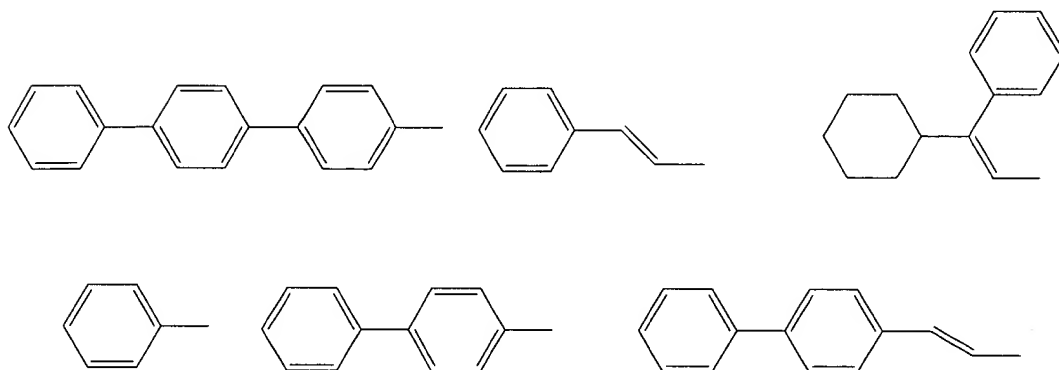


IIIb)  $K^a = M = H$  and  $Na = L$  and is selected from the group consisting of:

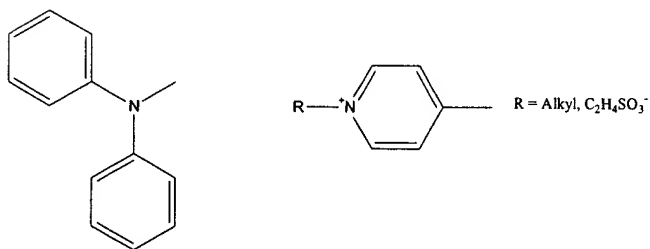




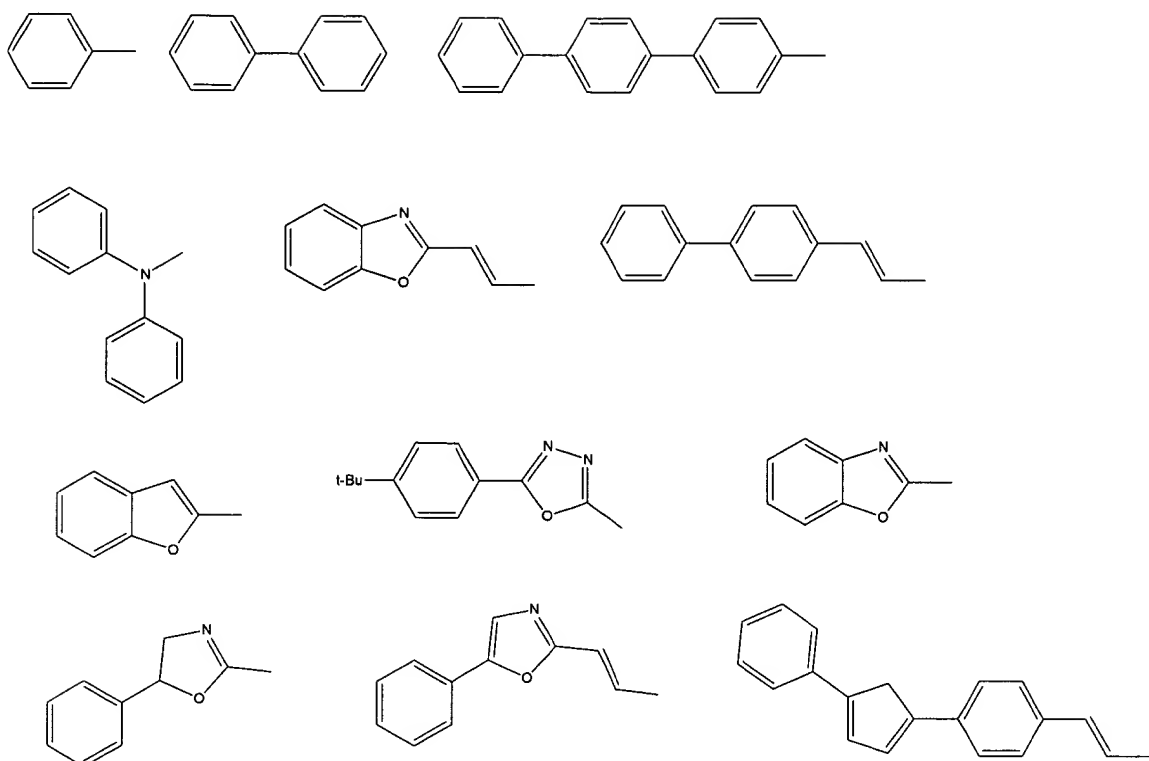
IIIId)  $K^a = M$  and is selected from the group consisting of:



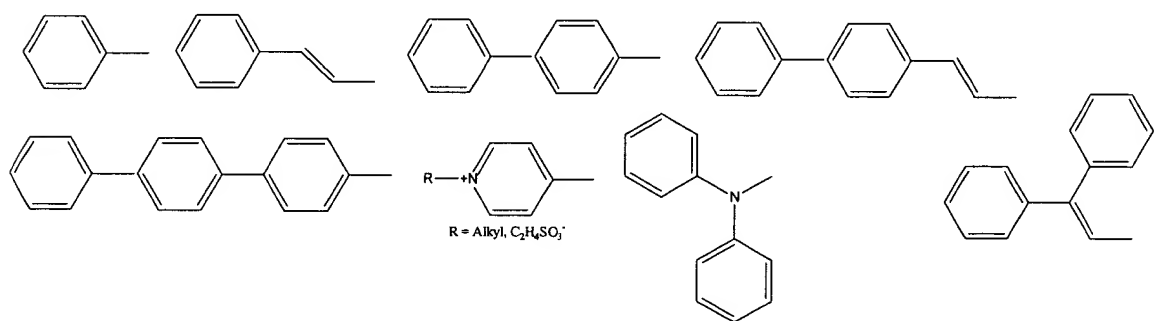
and  $N^a = L$  and is selected from the group consisting of:



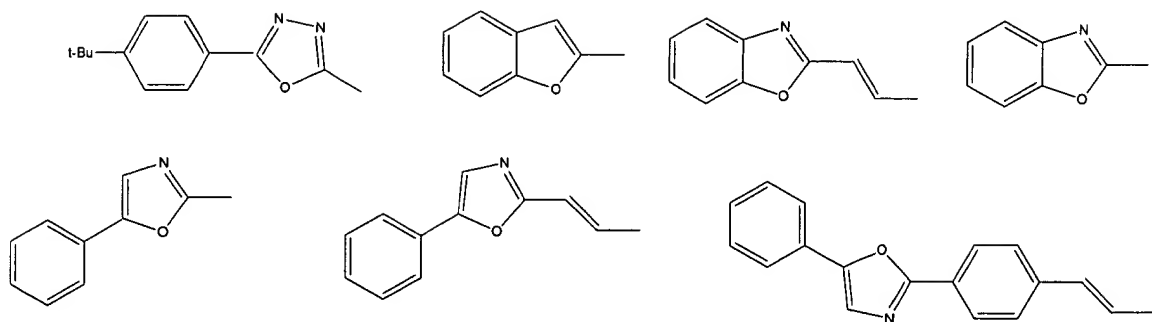
IIIe)  $K^a = L = H$  and  $M = Na$  and is selected from the group consisting of:



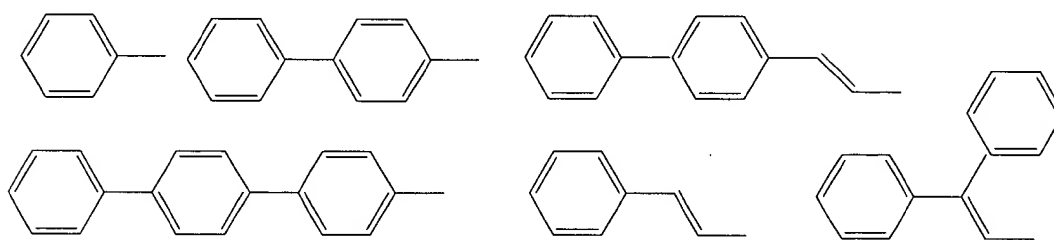
III f)  $K_a = L$  and is selected from the group consisting of:



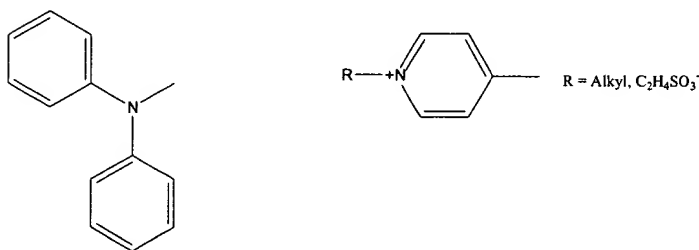
and  $M = N^a$  and is selected from the group consisting of:



IIIg)  $K^a = L$  and is selected from the group consisting of:



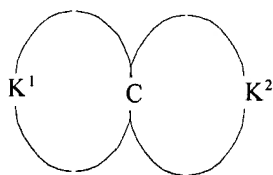
and  $M = N^a$  and is selected from the group consisting of:



25. (Currently amended) The laser of claim 21, which further comprises ~~wherein the light source is~~ source selected from the group consisting of a flash lamp and a laser.
26. (Currently amended) The laser of ~~claim 21~~ claim 25, wherein the light source is a laser.
27. (Currently amended) A method of producing coherent laser emission comprising  
subjecting an organic solid laser dye to a light source wherein said light source ~~is used to~~



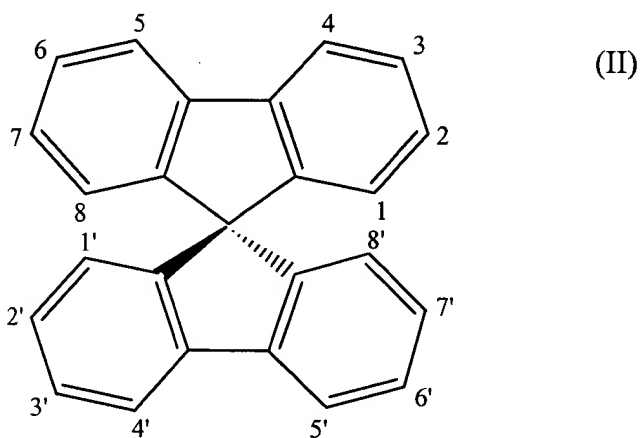
~~excite~~ **excites** the organic solid laser dye to emit radiation, the organic solid laser dye comprising a solid spiro compound of formula (I)



(I)

where K<sup>1</sup> and K<sup>2</sup> are, independently of one another, conjugated systems.

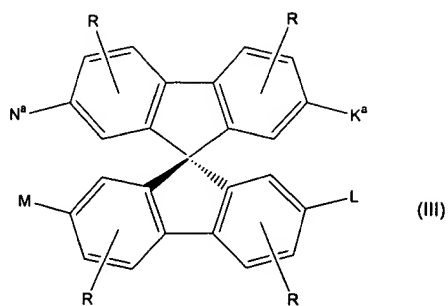
28. (previously presented) The method of claim 27, wherein said solid spiro compound is a spirobifluorene of formula (II)



(II)

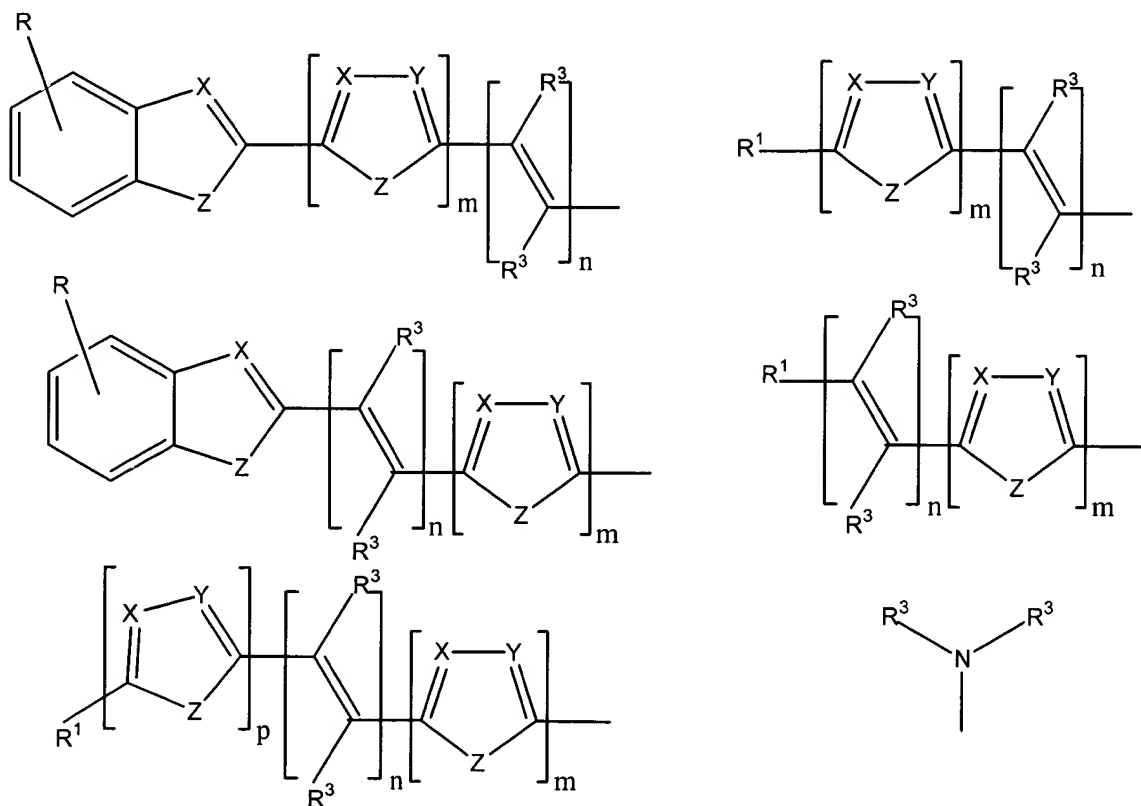
where the benzo groups can be substituted and/or fused independently of one another.

29. (previously presented) The method of claim 27, wherein said spiro compound is a spirobifluorene derivative of formula (III)



wherein:

$K^a$ ,  $L$ ,  $M$ ,  $N^a$  are identical or different and are



$R$  is identical or different and has the same meaning as  $K^a$ ,  $L$ ,  $M$ ,  $N^a$  or is  $H$ , a linear or branched alkyl, alkoxy or ester group having from 1 to 22 carbon atoms,  $-CN$ ,  $-NO_2$ ,  $-NR^2R^3$ ,  $-Ar$  or  $-O-Ar$ ;

$Ar$  is phenyl, biphenyl, 1-naphthyl, 2-naphthyl, 2-thienyl, or 2-furyl, with each optionally

substituted with one or two radicals R;

m, n, p are 0, 1, 2 or 3;

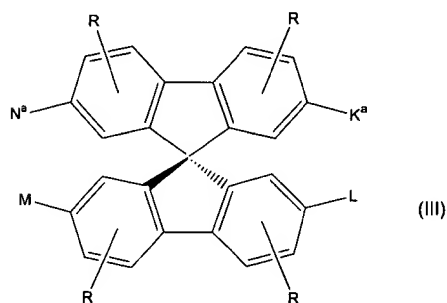
X, Y are identical or different and are CR or nitrogen;

Z is -O-, -S-, -NR<sup>1</sup>-, -CR<sup>1</sup>R<sup>4</sup>-, -CH=CH-, or -CH=N-;

R<sup>1</sup>, R<sup>4</sup> are identical or different and have the same meaning as R; and

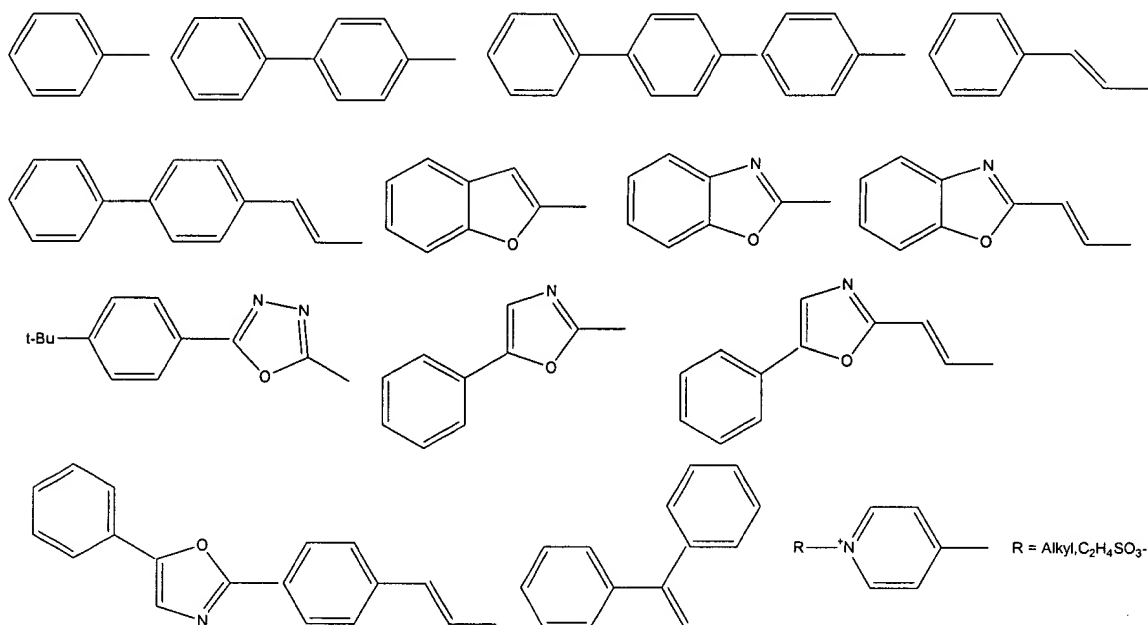
R<sup>2</sup>, R<sup>3</sup> are identical or different and are H, a linear or branched alkyl group having from 1 to 22 carbon atoms, -Ar, or 3-methylphenyl.

30. (previously presented) The method of claim 27, wherein said spiro compound is a spirobifluorene compound selected from the group consisting of the spirobifluorene compounds of the formula (IIIa) to (IIIg), wherein formula (III) is:

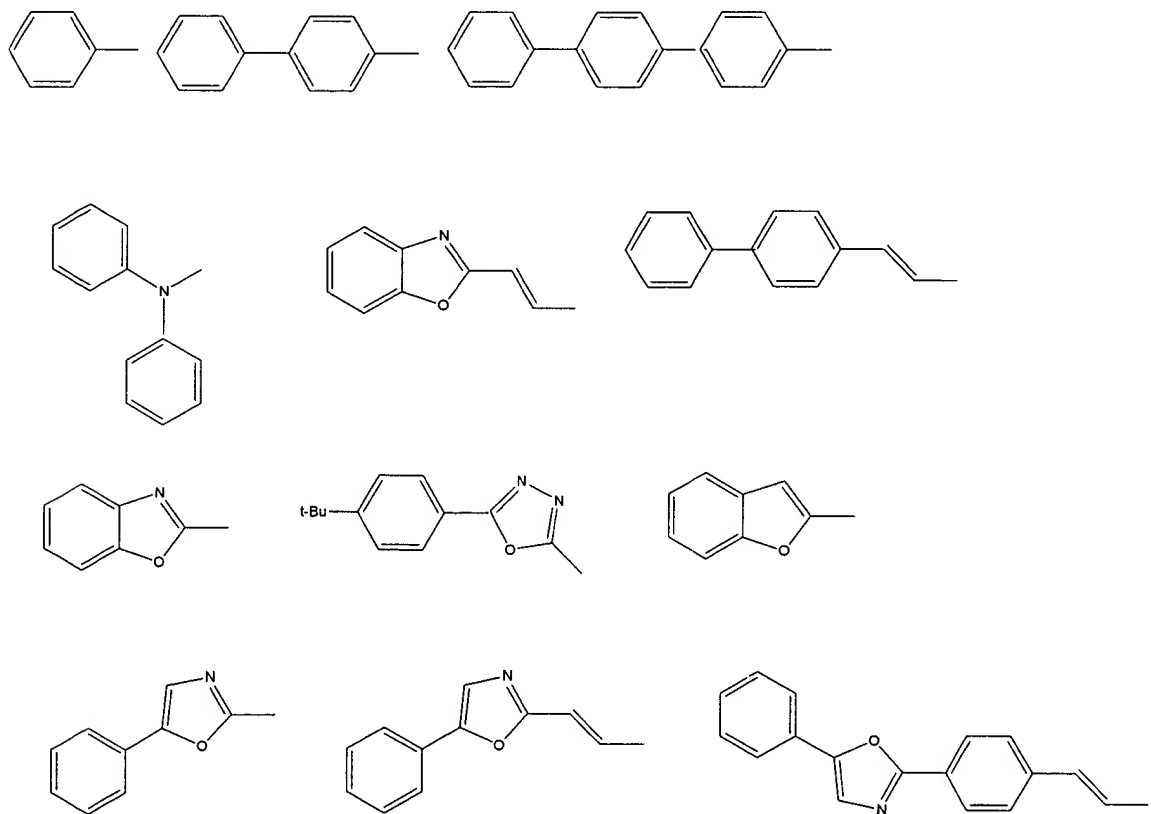


and the spirobifluorene compounds (IIIa to IIIg) are derivatives of formula (III) as follows:

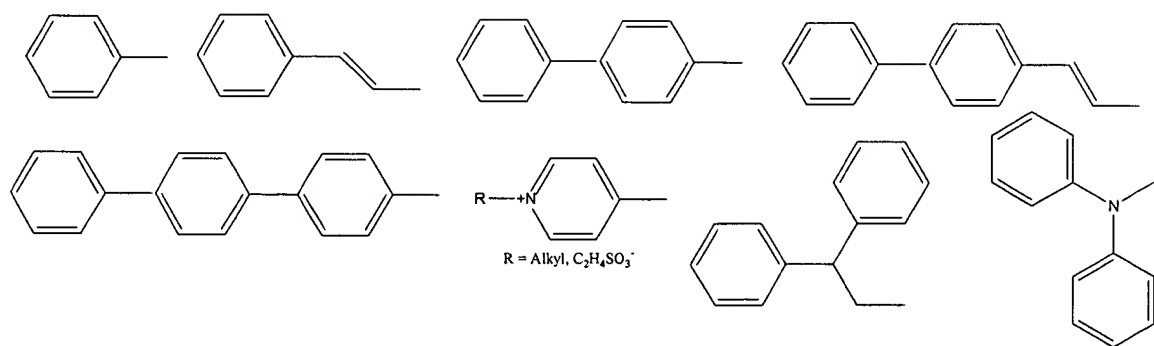
IIIa) K<sup>a</sup> = L = M = Na and is selected from the group consisting of:



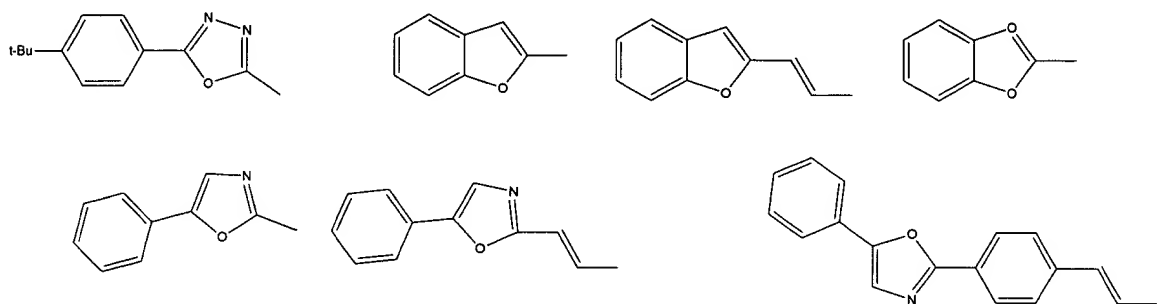
IIIb)  $Ka = M = H$  and  $Na = L$  and is selected from the group consisting of:



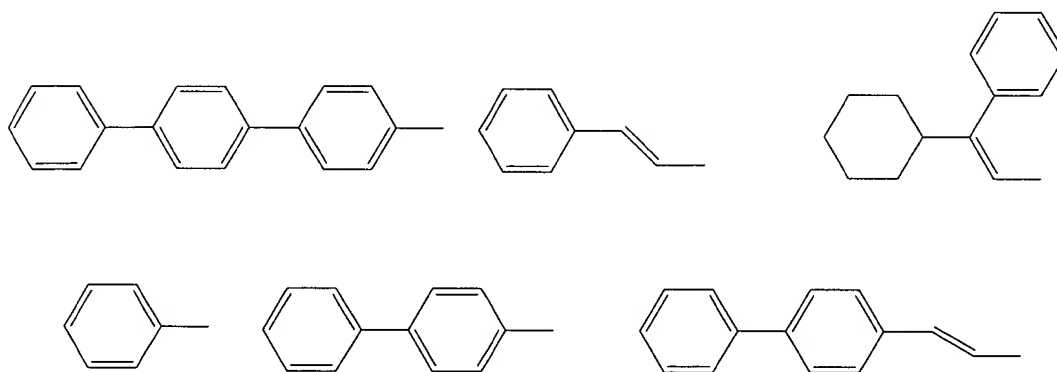
IIIc)  $K^a = M$  and is selected from the group consisting of:



and  $N^a = L$  and is selected from the group consisting of

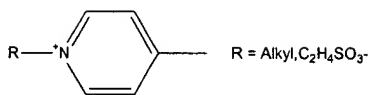
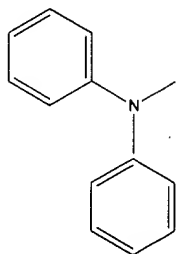


IIIId)  $K^a = M$  and is selected from the group consisting of:

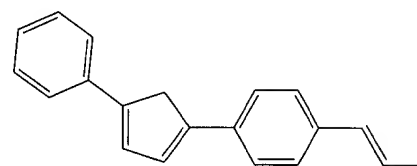
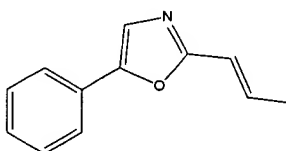
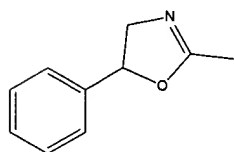
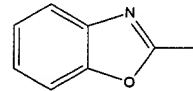
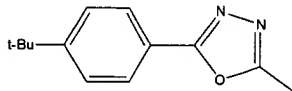
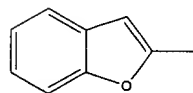
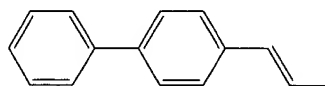
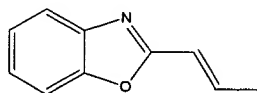
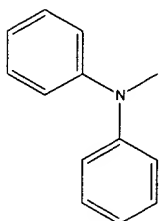
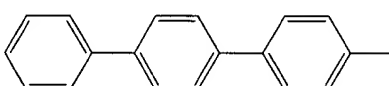
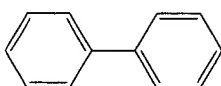
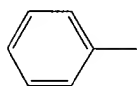


and

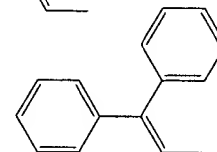
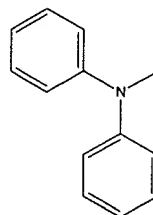
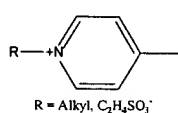
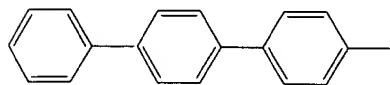
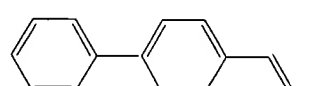
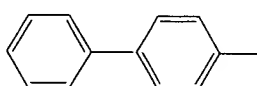
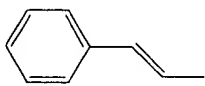
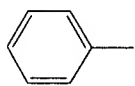
and  $N^a = L$  and is selected from the group consisting of:



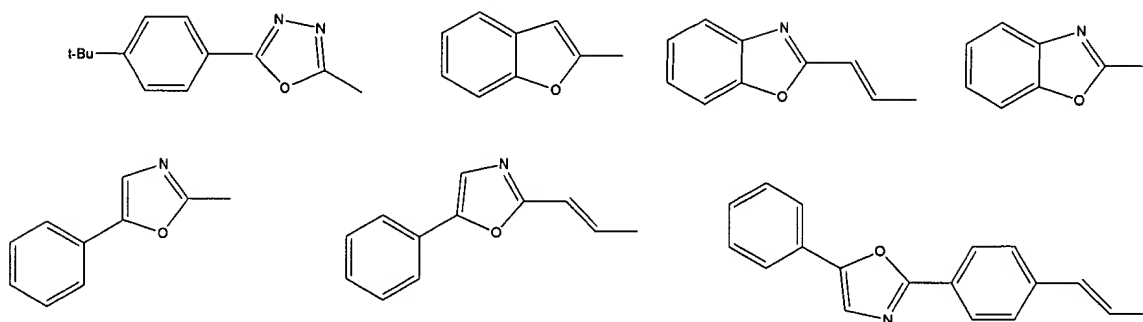
IIIe)  $K^a = L = H$  and  $M = N^a$  and is selected from the group consisting of:



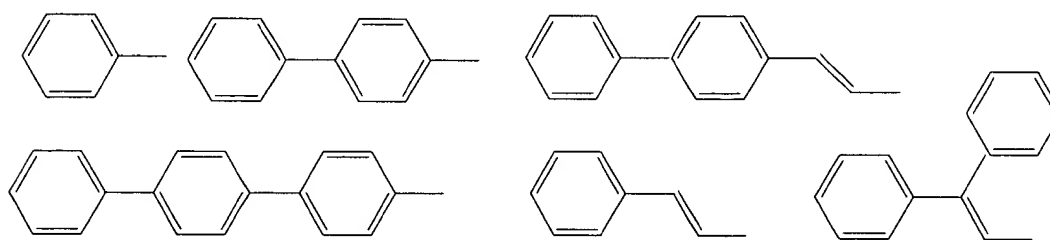
III f)  $K^a = L$  and is selected from the group consisting of:



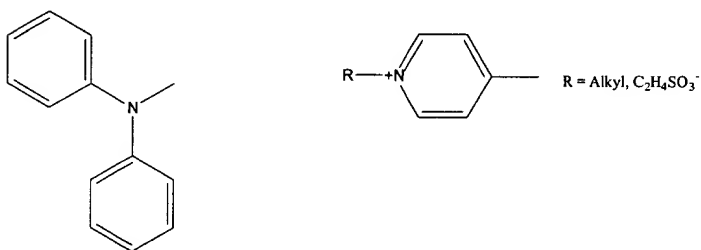
and  $M = N^a$  and is selected from the group consisting of



IIIg)  $K^a = L$  and is selected from the group consisting of:



and  $M = N^a$  and is selected from the group consisting of:



31. (previously presented) The method of claim 27 wherein the light source is a laser or a flash lamp.

32. (previously presented) The method of claim 31 wherein the light source is a laser.